



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Pa: Du	
PO040069	TWM001-VU	1	1	Net 30	M2024T3T1.000W.065	2024T3 Tubing 1" OD x 0.65" Thick receive ft				360	6/11/2018	360		S079580	Stock	6/11/2018	\$ 7.50 / ft		0	
		2			M304TR0.500W.035	304 Round Tube .500 X .035W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269 receive ft				24		20		S079581	Stock	6/11/2018	\$ 1.84 / ft		0	
		3			M304TR0.750W.049	304 Round Tube .750 X .049W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269 receive ft				100		100		S079582	Stock	6/11/2018	\$ 2.58 / ft		0	
Total:										484		480								

Plex 6/11/2018 9:06 AM Dart, Dubois, Pascal



O'Neal High-Performance Metals Group



Packing Slip

ORDER NO.: 80936918

FROM: CHIC

PAGE 1

CUST NUMBER: 1203820 NET WGT: 122.573 REQ.DATE: 06/08/18 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 06/04/18
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO040069 IT 1/2/3 RELEASE NO.:
RECEIVING PHONE:

LINE ITEM DESCRIPTION WIDTH LENGTH
0001 43260 D2024-T3 1 OD X .065 WA 12 FT ML

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	360.000 FT	360.000 FT	360.000 FT	82.426	30

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: EAR99 Export License: NLR Expiration Date: 0/00/00
PO:49368273 HT:F002414570001 PC: 30 CUSTOMER QTY: UOM
MLT:UNITED STATES MFG:UNITED STATES SLB/CL:223073

0002 36449 SMLS CD 304/L A269 1/2 OD X .035 WA 20' ML

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	24.000 FT	20.000 FT	20.000 FT	3.475	1

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00
PO:49366893 HT:YX1608590 PC: 1 CUSTOMER QTY: UOM
MLT:CHINA MFG:CHINA SLB/CL:-

0003 36860 SMLS CD 304/L A269 3/4 OD X .049 WA 20' CL

CLN#	ORD QTY	INVOICE QTY	SHIPPED QTY	WT	PCS
	100.000 FT	100.000 FT	100.000 FT	36.672	5

** 1 TEST REPORTS REQUIRED **

** 1 CERTS REQUIRED **

ECCN: 2B999.g Export License: NLR Expiration Date: 0/00/00
PO:49370276 HT:N170711AS10 PC: 5 CUSTOMER QTY: UOM
MLT:CHINA MFG:CHINA SLB/CL:-

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



Packing Slip

ORDER NO.: 80936918

FROM: CHIC

PAGE 2

CUST NUMBER: 1203820 NET WGT: 122.573 REQ.DATE: 06/08/18 CONFIRMED
SOLD TO: SHIP TO:
DART AEROSPACE LTD DART AEROSPACE LTD
1270 ABERDEEN ST 1270 ABERDEEN ST
HAWKESBURY ON HAWKESBURY ON
CANADA CN K6A 1K7 ONTARIO CANADA CN K6A 1K7

SALESPERSON: DONNA SMALLEY SHIP BY: 06/04/18
TERMS: NET 30 DAYS VIA: COMMON CARRIER
F.O.B.: SHIPPING POINT FREIGHT: PREPAID
CUST ORD NO.: PO040069 IT 1/2/3 RELEASE NO.:
RECEIVING PHONE:

LINE ITEM DESCRIPTION
BROKERS KUEHNE AND NAGEL LTD
WIDTH LENGTH

-----		PACK INFO -----				
AREA	TYPE OF PKG	PKGS	GRS WEIGHT	WIDTH	LENGTH	HGHT
YRC	REDDICRATE	1.000	116.000	8.0000	150.0000	6
YRC	REDDICRATE	1.000	76.000	4.0000	246.0000	4
		2.000	192.000			

BY: MG
RT 000-

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED _____

1

DATE FILLED _____

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE
PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL
REVIEW.
<http://www.twmetals.com/invoice-terms.html>



O'Neal High-Performance Metals Group



**Packing
Slip**

ORDER NO.: 80936918

FROM: CHIC

PAGE 3

CUST NUMBER: 1203820	NET WGT: 122.573	REQ.DATE: 06/08/18	CONFIRMED
SOLD TO:	SHIP TO:		
DART AEROSPACE LTD	DART AEROSPACE LTD		
1270 ABERDEEN ST	1270 ABERDEEN ST		
HAWKESBURY ON	HAWKESBURY ON		
CANADA	ONTARIO CANADA		
	CN K6A 1K7		CN K6A 1K7

SALESPERSON:	DONNA SMALLEY	SHIP BY:	06/04/18
TERMS:	NET 30 DAYS	235 TUBEWAY	
F.O.B.:	SHIPPING POINT	CAROL STREAM	IL 60188
CUST ORD NO.:	PO040069 IT 1/2/3		
VIA:	COMMON CARRIER		
FREIGHT:	PREPAID		
RELEASE NO.:			
RECEIVING PHONE:			

"TW Metals MSDS data is available on our web site at www.twmetals.com. MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for coniferous non-manufactured wood packing material"

Authorized Test Report Clerk *Maria D. Salano* Date: 6/04/18

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON OUR WEBSITE FOR YOUR CAREFUL REVIEW.
<http://www.twmetals.com/invoice-terms.html>



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040069

Supplier: TWM001-VU
TW Metals
PO Box 933014
Atlanta, GA 31193-3014 USA
Phone: 585 768 5600
Fax: 585 768 5601

PO No: PO040069
PO Date: 5/31/18
Due Date: 6/11/18



Purchase Order Revision:

Revision Date:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	M2024T3T1.000W.065		2024T3 Tubing 1" OD x 0.65" Thick receive ft	Firmed	6/11/18	360 ft	0 ft	360 ft	\$7.50/ft	\$2,700.00
Line Item Note MATERIAL: 2024-T3 SEAMLESS ALUMINUM TUBING SPECIFICATION; WW-T-700/3, AMS 4088 OR AMS-WW-T-700/3 OR ASTM B210										
2	M304TR0.500W.035		304 Round Tube .500 X .035W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269 receive ft	Firmed	6/11/18	24 ft	0 ft	24 ft	\$1.8422/ft	\$44.21
3	M304TR0.750W.049		304 Round Tube .750 X .049W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269 receive ft	Firmed	6/11/18	100 ft	0 ft	100 ft	\$2.579/ft	\$257.90
4	M304TR1.250W.125		304 Round Tube 1.250 X .125W : MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING AS PER ASTM A213 OR ASME SA213 OR ASTM A269 receive ft	Firmed	6/11/18	24 ft	0 ft	24 ft	\$6.15/ft	\$147.60

DAS
11
9-89

JUN 1 1 2018

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JUN 1 1 2018

DAS
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JUN 1 1 2018

JUN 07 2018
DAS
11
9-89

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
5	M6061T6T1.000W.188		6061T6 Round Tube 1.00 X .188W : MATERIAL: 6061- T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/8 OR QQ-A-200/8 OR QQ- A-225/8 OR AMS 4080 OR AMS 40 82 OR AMS 4083 OR ASTM B210 OR ASTM B241 receive ft	Firmed	6/11/18	36 ft	0 ft	36 ft	\$6.75/ft	\$243.00

Grand Total: \$3,392.71

Order Notes

Procurement Quality Clauses
 A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)
 A026 certification of material conformance
 A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program
 A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/31/18 11:52 AM dart.lavoie.chantal



235 TUBEWAY
CAROL STREAM IL 60188
Tel: 630-690-0110
FAX: 16306902105

Invoice#: 80936918
Cust. PO#: PO040069 IT 1/2/3
Incoterms: SHIPPING POINT
Frt. Terms: PREPAID
Ship Via: COMMON CARRIER

COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA CN K6A 1K7 C Contact: CHANTAL 16136321053	Invoice Date: 6/04/18
	Ship Date: 6/04/18
	Payment Terms: NET 30 DAYS
	Ship To/Final Destination: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7
Freight Forwarder/Intermediate Ship To:	

ITEM#/LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE	SUBTOTAL
43260	D2024-T3 1 OD X .065 WA	360.000	FT	\$ 7.5000	\$ 2700.00
			0 IN		
1	ALUMINUM TUBE ROUND	30.000	PC		
	PART NUMBER:				
	ECCN: EAR99				
	SCHEDULE B:7608.20.0030				
	ALUM PIPE/TUBE - SEAMLESS				
	NET WGT: 82.426 LBS				
	COUNTRY OF MFG: UNITED STATES				
36449	SMLS CD 304/L A269 1/2 OD X .035 WA	20.000	FT	\$ 1.8400	\$ 36.80
			0 IN		
2	STAINLESS STEEL TUBE ROUND	1.000	PC		
	PART NUMBER:				
	ECCN: 2B999.g				
	SCHEDULE B:7304.41.0000				
<p>EXPORT LICENSE NUMBER: NLR</p> <p>EXPIRATION DATE: 00/00/00</p>					
<p>TW METALS, LLC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, LLC.</p> <p>THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED, OR OTHERWISE DISPOSED OF, TO ANY OTHER COUNTRY OR TO ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.</p>					
<p>Page 1</p> <p>CONTINUE</p>					

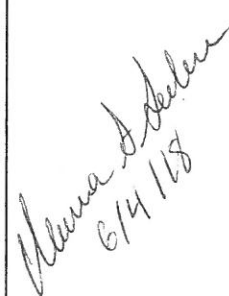


235 TUBEWAY
CAROL STREAM IL 60188
Tel: 630-690-0110
FAX: 16306902105

Invoice#: 80936918
Cust. PO#: PO040069 IT 1/2/3
Incoterms: SHIPPING POINT
Frt. Terms: PREPAID
Ship Via: COMMON CARRIER

COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA CN K6A 1K7 C Contact: CHANTAL 16136321053	Invoice Date: 6/04/18
	Ship Date: 6/04/18
	Payment Terms: NET 30 DAYS
	Ship To/Final Destination: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7
Freight Forwarder/Intermediate Ship To:	

ITEM# / LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE	SUBTOTAL
	S/S PIPE/TUBE ROUND SMLS W/OD </=3"				
	NET WGT: 3.475 LBS				
	COUNTRY OF MFG: CHINA				
36860	SMLS CD 304/L A269 3/4 OD X .049 WA	100.000	FT	\$ 2.5700	\$ 257.00
			0 IN		
3	STAINLESS STEEL TUBE ROUND	5.000	PC		
	PART NUMBER:				
	ECCN: 2B999.g				
	SCHEDULE B:7304.11.0000				
	NET WGT: 36.672 LBS				
	COUNTRY OF MFG: CHINA				
	FREIGHT CHARGES				.00
	QUANTITY AND TYPE OF BOXES:				
	1 REDDICRATE				
EXPORT LICENSE NUMBER: NLR EXPIRATION DATE: 00/00/00					
TW METALS, LLC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, LLC. THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED, OR OTHERWISE DISPOSED OF, TO ANY OTHER COUNTRY OR TO ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.					
Page		2	 CONTINUE		

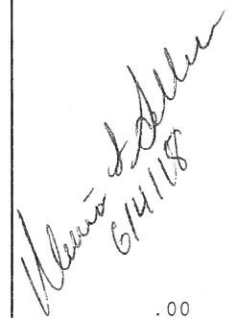


235 TUBEWAY
 CAROL STREAM IL 60188
 Tel: 630-690-0110
 FAX: 16306902105

Invoice#: 80936918
 Cust. PO#: PO040069 IT 1/2/3
 Incoterms: SHIPPING POINT
 Frt. Terms: PREPAID
 Ship Via: COMMON CARRIER


COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA CN K6A 1K7 C Contact: CHANTAL 16136321053	Invoice Date: 6/04/18
	Ship Date: 6/04/18
	Payment Terms: NET 30 DAYS
	Ship To/Final Destination: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7
Freight Forwarder/Intermediate Ship To:	

ITEM# / LINE#	DESCRIPTION	QUANTITY	UNIT VALUE	SUBTOTAL
	150.0000 X 8.0000 X 6.0000			
	TOTAL WGT: 82.000 LBS			
	GROSS WGT: 116.000 LBS			
1	REDDICRATE			
	246.0000 X 4.0000 X 4.0000			
	TOTAL WGT: 41.000 LBS			
	GROSS WGT: 76.000 LBS			
<p align="center">EXPORT LICENSE NUMBER: NLR EXPIRATION DATE: 00/00/00</p>				
<p>TW METALS, LLC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, LLC.</p> <p>THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE RESOLD, TRANSFERRED, OR OTHERWISE DISPOSED OF, TO ANY OTHER COUNTRY OR TO ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S. GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.</p>				
Payable in US Dollars			Sales Tax .00	2993.80
Page		3		

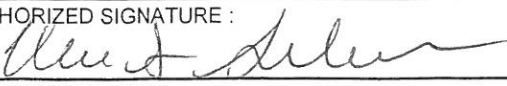


North American Free Trade Agreement
CERTIFICATE OF ORIGIN

1. EXPORTER NAME AND ADDRESS : TW METALS - CHICAGO 235 TUBEWAY CAROL STREAM IL 60188 UNITED STATES TAX IDENTIFICATION NUMBER : 464009440		2. BLANKET PERIOD : DD MM YY FROM : 01-Jan-18 TO : 31-Dec-18 SHIPPER # : 80936918			
3. PRODUCER NAME AND ADDRESS : AVAILABLE TO CUSTOMS UPON REQUEST		4. IMPORTER NAME AND ADDRESS : DART AEROSPACE LTD 1270 ABERDEEN ST HAWKSBURY ON ONTARIO CANADA CN K6A 1K7 CANADA TAX IDENTIFICATION NUMBER :			
5. DESCRIPTION OF GOOD(S)	6. H.S. TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
ALUMINUM TUBE ROUND	7608.20.0030	B	NO (2)	NO	US
<p>I CERTIFY THAT: THE INFORMATION ON THIS DOCUMENT IS TRUE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT: I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN, OF ANY CHANGES THAT COULD AFFECT THE ACCURACY AND VALIDITY OF THIS CERTIFICATE, THE GOODS ORIGINATED IN ONE OR MORE OF THE PARTIES, AND COMPLY WITH THE REQUIREMENTS SPECIFIED FOR THOSE GOODS IN THE NORTH AMERICAN FREE TRADE AGREEMENT, AND UNLESS SPECIFICALLY EXEMPT IN ARTICLE 411 OR ANNEX 401. THERE HAS BEEN NO FURTHER PRODUCTION OR ANY OTHER OPERATION OUTSIDE THE TERRITORIES OF THE PARTIES: AND THIS CERTIFICATE CONSISTS OF PAGES, INCLUDING ATTACHMENTS.</p>					
11. AUTHORIZED SIGNATURE : 		COMPANY : TW METALS			
NAME (PRINT OR TYPE) : MARIA GALEANA		TITLE : EXPORT DEPARTMENT			
DATE : DD MM YY 04-Jun-18		TELEPHONE : 630-690-0110			



CERTIFICATE OF ORIGIN

1. EXPORTER NAME AND ADDRESS : TW METALS - CHICAGO 235 TUBEWAY CAROL STREAM IL 60188 UNITED STATES TAX IDENTIFICATION NUMBER : 464009440		2. BLANKET PERIOD : DD MM YY FROM : 01-Jan-18 TO : 31-Dec-18 SHIPPER #: 80936918			
3. PRODUCER NAME AND ADDRESS : AVAILABLE TO CUSTOMS UPON REQUEST		4. IMPORTER NAME AND ADDRESS : DART AEROSPACE LTD 1270 ABERDEEN ST HAWKSBURY ON ONTARIO CANADA CN K6A 1K7 CANADA TAX IDENTIFICATION NUMBER :			
5. DESCRIPTION OF GOOD(S)	6. H.S. TARIFF CLASSIFICATION NUMBER	7. PREFERENCE CRITERION	8. PRODUCER	9. NET COST	10. COUNTRY OF ORIGIN
STAINLESS STEEL TUBE ROUND	7304.41.0000	B	NO (2)	NO	CHINA
STAINLESS STEEL TUBE ROUND	7304.11.0000	B	NO (2)	NO	CHINA
<p>I CERTIFY THAT: THE INFORMATION ON THIS DOCUMENT IS TRUE AND I ASSUME THE RESPONSIBILITY FOR PROVIDING SUCH REPRESENTATIONS. I UNDERSTAND THAT I AM LIABLE FOR ANY FALSE STATEMENTS OR MATERIAL OMISSIONS MADE ON OR IN CONNECTION WITH THIS DOCUMENT: I AGREE TO MAINTAIN AND PRESENT UPON REQUEST, DOCUMENTATION NECESSARY TO SUPPORT CERTIFICATE, AND TO INFORM, IN WRITING, ALL PERSONS TO WHOM THE CERTIFICATE WAS GIVEN, OF ANY CHANGES THAT COULD AFFECT THE ACCURACY AND VALIDITY OF THIS CERTIFICATE: THE GOODS ORIGINATED IN THE COUNTRY AS SPECIFIED IN BOX 10 OF THIS FORM.</p> <p>THIS CERTIFICATE CONSISTS OF PAGES, INCLUDING ATTACHMENTS.</p>					
11. AUTHORIZED SIGNATURE : 		COMPANY : TW METALS			
NAME (PRINT OR TYPE) : MARIA GALEANA		TITLE : EXPORT DEPARTMENT			
DATE : DD MM YY 04-Jun-18		TELEPHONE : 630-690-0110			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304H10.750W.049
 DATE: JUN 11 2018

PO / BATCH NO.: 040069/5079582

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 100'
 QUANTITY INSPECTED: 100'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.049
 THICKNESS RECEIVED: W.049
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Astm A213</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<u>Heat # N170711A510</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> DATE: <u>11 JUN 11 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316-SS SEAMLESS ROUND TUBING

SPECIFICATION: ASTM A213 OR ASME SA213 OR ASTM A269

WALL THICKNESS TOLERANCE PER ASTM A269 AS FOLLOWS:

OD (IN)	PERMISSIBLE OD TOL (IN)	PERMISSIBLE WALL TOL
UP TO 1/2	+0.005	+15%
1/2 TO 1 1/2 EXCL.	+0.005	+10%
1 1/2 TO 3 1/2 EXCL.	+0.010	+10%
3 1/2 TO 5 1/2 EXCL.	+0.015	+10%
5 1/2 TO 8 EXCL.	+0.030	+10%

PART NUMBER: M304TR0.375W.065

WHERE "D.DDD" = OUTSIDE DIAMETER IN INCHES
AND ".TTT" = WALL THICKNESS IN INCHES

EG. 0.375" OD X 0.065" WALL TUBING = M304TR0.375W.065

RELEASED
R 08/28/23 MJD

B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	08.10.20
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.10.20		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO.	M304TR
TITLE	304/316 ROUND TUBING
SCALE	NTS
COPYRIGHT © 2001 BY DART AEROSPACE LTD	

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304tro.500W.035

PO / BATCH NO.: 040069/5079581

DATE: JUN 11 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.035
 THICKNESS RECEIVED: 4.035
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	<u>A516 A213</u>
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	<u>Heat # YX1608590</u>
CORRECT MATERIAL IDENTIFICATION	Y	N	
CORRECT M# ON THE MATERIAL	Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 JUN 11 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SEAMLESS ROUND TUBING

SPECIFICATION: ASTM A213 OR ASME SA213 OR ASTM A269

WALL THICKNESS TOLERANCE PER ASTM A269 AS FOLLOWS:

OD (IN)	PERMISSIBLE OD TOL. (IN)	PERMISSIBLE WALL TOL.
UP TO 1/2	±0.005	±15%
1/2 TO 1 1/4, EXCL.	±0.005	±10%
1 1/4 TO 3 1/4, EXCL.	±0.010	±10%
3 1/4 TO 5 1/4, EXCL.	±0.015	±10%
5 1/4 TO 8, EXCL.	±0.030	±10%

PART NUMBER:

M304TR0.375" OD X 0.065" WALL

WHERE "D.DDD" = OUTSIDE DIAMETER IN INCHES
AND "TTT" = WALL THICKNESS IN INCHES

EG. 0.375" OD X 0.065" WALL TUBING = M304TR0.375W.065

RELEASED
08/06/23 AD

B	REFORMAT DWG. ADD SPECS (ZN D8-1), REF PAR 08-020A	CP	08.10.20
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.10.20		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304TR			
SHEET 1 OF 1			
TITLE			
304/316 ROUND TUBING			
SCALE			
NTS			
COPYRIGHT © 2000 BY DART AEROSPACE LTD			
ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024+3Ti-0.000W.065

PO / BATCH NO.: 040069/8079380

DATE: JUN 11 2018

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 360'
 QUANTITY INSPECTED: 360'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: W.065
 THICKNESS RECEIVED: W.065
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u>	N	<u>W. T-700/3</u>
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	<u>Heat # 100241457001</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9:39 JUN 11 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

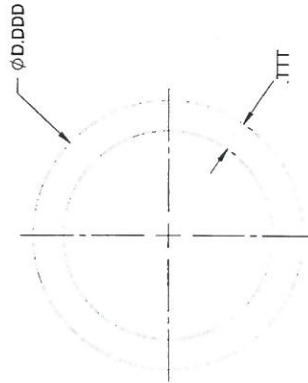
PURCHASE MATERIAL: 2024-T3 SEAMLESS ALUMINUM TUBING

SPECIFICATION: WW-T-700/3, AMS 4088
OR AMS-WW-T-700/3 OR ASTM B210

PART NUMBER: M2024T3T D.DDD W TTT
DIA. WALL

WHERE "D.DDD" = DIAMETER IN INCHES
& "TTT" = WALL THICKNESS IN INCHES

EG. 5/8" TUBING WITH 0.049" WALL = M2024T3T0.625W.049



RELEASED
2018 MAY 17
ECN 18-516

A	NEW ISSUE: REF. CAR18-219	RF	18.01.16
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VS	DRAWING NO. M2024T3T	
MFG. APPR.	DD	REV. A	
APPROVED	HS	SHEET 1 OF 1	
DE APPR.	CP	SCALE	
DATE	18.01.16	NTS	
2024-T3 TUBING			
COPYRIGHT © 2018 BY DART AEROSPACE LTD			
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APPROVED

KAISER ALUMINUM

FABRICATED PRODUCTS

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49368273-1		CUSTOMER PART NUMBER: 43260		PRODUCT DESCRIPTION: Drawn Seamless Tube/Pipe	
KAISER ORDER NUMBER: 223073	LINE ITEM: 001	SHIP DATE: 05/26/2017	KAISER LOT NUMBER: F00241457	ALLOY: 2024	TEMPER: T3
WEIGHT SHIPPED: 769.000 LB	QUANTITY: 280.000 PCS	B/L NUMBER: 225426	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: TW METALS INC 235 WEST TUBEWAY DRIVE CAROL STREAM, IL 60188 USA			SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		

Actual Physical Properties

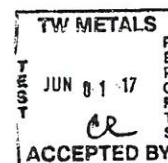
REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON% IACS	BEND
F00241457	0001	1	71.1	49.5	27.0	N/A	N/A	N/A
F00241457	0002	1	71.4	48.4	27.0	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.50	0.50	4.90	0.90	1.80	0.10	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.00	0.00	3.80	0.30	1.20	0.00	0.00	0.00	NA	NA	NA	0.00	0.00
D30132	.11	.17	4.66	.73	1.41	.02	.12	.03	.00	.00	.01	.01	.02

Applicable Requirements:

Description: OD: 1.0000"; Wall: 0.0650"; Round @
AMS4088K AMS-WW-T-700/3A ASTM B210-12
This Product Complies to FAR BAA, DFARS BAA, FAR TAA
COMPLIES TO DIN EN 10204 JAN 2005
No Weld Repair. Mercury Free.



Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DFARS BAA
(DFARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5
TRADE AGREEMENTS).

Plant Serial: 00025082
Kaiser Order Number: 223073
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
6573 W. WILLIS ROAD
CHANDLER, AZ 85226

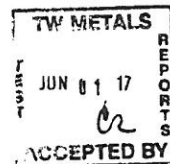
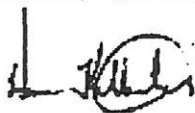
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Hans Kattentidt, Quality Manager



C

MILL TEST REPORT

Purchaser.: TW METALS-Carol Stream				Certificate No.: 2017-9-78					
Contract No.: TWM P.O.No.: M49366893				Date of Issue.: 2017.9.16					
Commodity: Stainless Steel Seamless Tubes				Specifications: ASTM A213-17/ASME SA213-15/ASTM A269-15a EAW					
Process: Cold Drawn				Delivery Condition: OD Polished to 240 Grit					
Steel Grade	Heat Number	Lot Number	Dimensions	Quantity					
				Pieces	Feet				
TP304/TP304L	YX1608-590	7-45	1/2"x0.035"x20'	750	15,000				

Chemical Composition by Weight (%)									
Element	C	Mn	P	S	Si	Cr	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.00-20.00	8.00-12.00	-	-
Ladle Analysis	0.017	1.28	0.033	0.002	0.35	18.22	8.06	-	-
Product Analysis	0.022	1.27	0.035	0.004	0.38	18.36	8.09	-	-

Mechanical Properties							
Test Item	Elongation (% in 2")	Tensile Strength (PSI)		Yield Strength (PSI)			
		Rm		Rp / 0.2%			
Requirements	≥35	≥75,000		≥30,000			
Test Results	61/62	99,000/100,000		44,000/45,000			

Test Item	Reduction of Area Z (%)	Hardness	Cold Bend Test	Flaring Test	Flattening Test	Flange Test	P.M.I. Test
Requirements	-	HRB≤80	-	22%	e=0.09	-	-
Test Results	-	77/79	-	Passed	Passed	-	OK

Test Item	Eddy Current Test	Air Underwater Pressure Test	Ultrasonic Test	Intergranular Corrosion Test	Macroscopic Inspection	
Requirements	ASTM E 426	-	-	ASTM A262 E	End Cut	Appearance
Test Results	Passed	-	-	OK	OK	OK

ISO 9001:2008 Certified by CAS 117 16 QU 0053-06 ROS

PED Certified by SZUTEST 2195-PED-1526002

Additional Remarks:

- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
- (2) All tubes tested per ASTM A1016-17
- (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
- (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
- (5) In Compliance with EN 10204-3.1
- (6) In Compliance with RoHS Stipulation
- (7) No weld repair performed
- (8) Free from mercury contamination
- (9) Free from radioactive contamination
- (10) Billets melt and pipes/tubes manufactured in China
- (11) All tubes 100% PMI tested
- (12) All tubes 100% Eddy Current tested

**CANNOT CERTIFY COMPLIANCE
FAR BAA / DFARS BAA / FAR TAA**



By:

James Shi

James Shi / Manager

Quality Control Department

We hereby certify that this report is true and correct.

Jiangsu Pufa Stainless Steel Tube Co., Ltd.

No. 99, Xuean Middle Road, Dongchen Town, Rugao City, Jiangsu Province, P.R.China

AG

MISCO

JIAOXING MT STAINLESS STEEL CO.,LTD

MILL TEST CERTIFICATE

EN10204 3.1 CERTIFICATE

ISO 9001: 2008 TÜV SÜD CERT REGISTRATION No.: 01 100 095954
PED/97/23/CE EURO CERT CERTIFICATE NO:CN.CE.1110S1-02/14



CERTIFICATE NO.: 17MTC-102310

SALES CONTRACT NO.: M 49370276

COMMODITY: STAINLESS STEEL SEAMLESS PIPE

SPECIFICATION: ASTM A213-15c ASTM A269-15a, ASME SA213-15 AVG WALL

PURCHASER: KASUGAI CO., LTD.

ORDER: M 49370276

DATE OF REPORT: 2017-10-17

Steel Grade	Heat No.	Dimensions			Quantity		Process	Delivery Condition	Macroscopic Inspection	
		O.D. (INCH)	W.T. (INCH)	Length (FT)	FT	Piece			End Cut	Appearance
TP304/304L	NI76711AS10	3/4	0.049	20	5500	275	Cold-Drawn	Annealed & Pickled & 320 Grit min.	Passed	Passed
Element	C	Si	Mn	P	S	Cr	Ni	Mo	Ti	
Requirements	≤0.035	≤1.00	≤2.00	≤0.045	≤0.030	18.0-20.0	8.0-12.0	-	-	-
Ladle Analysis	0.017	0.34	1.32	0.027	0.001	18.13	8.01	-	-	-

Mechanical Properties

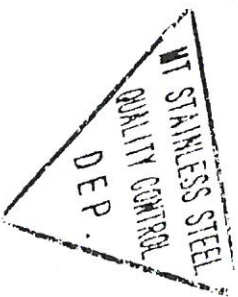
Test Item	Y.S. (MPa) R _{0.2}	T.S. (MPa) R _m	EL. (%) I ₂ in	Reduction of Area Z (%)	Hardness HRB	Cold Bend Test	Flaring Test	Flattening Test	P.M.T. TEST
Requirements	≥170	≥485	≥35	-	≤80	-	-	e=0.09	-
Test Results	260	625	55	-	76	Passed	Passed	Passed	Passed

Non Destructive Tests

Test Item	Eddy Current Test
Requirements	ASTM E 426
Test Results	Passed

Remarks:

- ASTM A213-15c ASTM A269-15a, ASME SA213-15 AVG WALL.
- PIPES TESTED PER ASTM A1016
- SOLUTION HEAT TREATMENT: 1050 °C X 1.5h/min
- NO WELD REPAIR WAS PERFORMED.
- PMI TESTING DONE ON EACH PIPE - SATISFACTORY
- IN COMPLIANCE WITH NACE MR0175/ISO 15156-2015
- MATERIAL IS FREE FROM RADIOACTIVITY
- VISUAL CHECK IS SATISFACTORY
- COUNTRY OF ORIGIN: CHINA
- COUNTRY OF MELT: CHINA



1. WE HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN TESTED AND THE TEST RESULTS ARE IN COMPLIANCE WITH THE TERMS OF THE PURCHASE ORDER OR CONTRACT
2. THE CERTIFICATE SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE COMPANY.

Prepared by:

[Signature]

Approved by:

[Signature]

